

Eric J Hajduch

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68

papers

4,377

citations

37

h-index

66

g-index

79

ext. papers

4,729

ext. citations

5.4

avg, IF

5.08

L-index

#	Paper	IF	Citations
68	Constitutive activation of protein kinase B alpha by membrane targeting promotes glucose and system A amino acid transport, protein synthesis, and inactivation of glycogen synthase kinase 3 in L6 muscle cells. <i>Diabetes</i> , 1998 , 47, 1006-13	0.9	295
67	Ceramide disables 3-phosphoinositide binding to the pleckstrin homology domain of protein kinase B (PKB)/Akt by a PKCzeta-dependent mechanism. <i>Molecular and Cellular Biology</i> , 2003 , 23, 7794-808	4.8	261
66	Anti-lipolytic action of AMP-activated protein kinase in rodent adipocytes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 25250-7	5.4	259
65	Intracellular ceramide synthesis and protein kinase Czeta activation play an essential role in palmitate-induced insulin resistance in rat L6 skeletal muscle cells. <i>Biochemical Journal</i> , 2004 , 382, 619-29	3.8	215
64	Protein kinase B (PKB/Akt)--a key regulator of glucose transport?. <i>FEBS Letters</i> , 2001 , 492, 199-203	3.8	212
63	New insights into ER stress-induced insulin resistance. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 381-90	8.8	205
62	Ceramide impairs the insulin-dependent membrane recruitment of protein kinase B leading to a loss in downstream signalling in L6 skeletal muscle cells. <i>Diabetologia</i> , 2001 , 44, 173-83	10.3	183
61	l-Leucine availability regulates phosphatidylinositol 3-kinase, p70 S6 kinase and glycogen synthase kinase-3 activity in L6 muscle cells: evidence for the involvement of the mammalian target of rapamycin (mTOR) pathway in the l-leucine-induced up-regulation of System A amino acid transport. <i>Biochemical Journal</i> , 2000 , 350, 361-368	3.8	167
60	Activation of glucose transport by AMP-activated protein kinase via stimulation of nitric oxide synthase. <i>Diabetes</i> , 2000 , 49, 1978-85	0.9	147
59	Cholesterol-induced caveolin targeting to lipid droplets in adipocytes: a role for caveolar endocytosis. <i>Traffic</i> , 2006 , 7, 549-61	5.7	140
58	Regulation of glucose transport and glycogen synthesis in L6 muscle cells during oxidative stress. Evidence for cross-talk between the insulin and SAPK2/p38 mitogen-activated protein kinase signaling pathways. <i>Journal of Biological Chemistry</i> , 1999 , 274, 36293-9	5.4	139
57	Intracellular sensing of amino acids in <i>Xenopus laevis</i> oocytes stimulates p70 S6 kinase in a target of rapamycin-dependent manner. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9952-7	5.4	103
56	IL-1 receptor antagonist in metabolic diseases: Dr Jekyll or Mr Hyde?. <i>FEBS Letters</i> , 2006 , 580, 6289-94	3.8	102
55	Targeting of PKCzeta and PKB to caveolin-enriched microdomains represents a crucial step underpinning the disruption in PKB-directed signalling by ceramide. <i>Biochemical Journal</i> , 2008 , 410, 369-79	3.8	91
54	Serotonin (5-Hydroxytryptamine), a novel regulator of glucose transport in rat skeletal muscle. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13563-8	5.4	91
53	Ceramide down-regulates System A amino acid transport and protein synthesis in rat skeletal muscle cells. <i>FASEB Journal</i> , 2005 , 19, 461-3	0.9	88
52	Lipid droplet analysis in caveolin-deficient adipocytes: alterations in surface phospholipid composition and maturation defects. <i>Journal of Lipid Research</i> , 2010 , 51, 945-56	6.3	86

51	Plasma membrane subdomain compartmentalization contributes to distinct mechanisms of ceramide action on insulin signaling. <i>Diabetes</i> , 2010 , 59, 600-10	0.9	75
50	Subcellular localization and adaptive up-regulation of the System A (SAT2) amino acid transporter in skeletal-muscle cells and adipocytes. <i>Biochemical Journal</i> , 2001 , 355, 563-8	3.8	73
49	Protein kinase C isoforms: mediators of reactive lipid metabolites in the development of insulin resistance. <i>FEBS Letters</i> , 2011 , 585, 269-74	3.8	72
48	Lipid environment induces ER stress, TXNIP expression and inflammation in immune cells of individuals with type 2 diabetes. <i>Diabetologia</i> , 2018 , 61, 399-412	10.3	69
47	Fish oil in a high lard diet prevents obesity, hyperlipemia, and adipocyte insulin resistance in rats. <i>Annals of the New York Academy of Sciences</i> , 1993 , 683, 98-101	6.5	59
46	Endoplasmic reticulum stress does not mediate palmitate-induced insulin resistance in mouse and human muscle cells. <i>Diabetologia</i> , 2012 , 55, 204-14	10.3	57
45	The lipotrophic caveolin-1 deficient mouse model reveals autophagy in mature adipocytes. <i>Autophagy</i> , 2010 , 6, 754-63	10.2	55
44	Fructose uptake in rat adipocytes: GLUT5 expression and the effects of streptozotocin-induced diabetes. <i>Diabetologia</i> , 1998 , 41, 821-8	10.3	53
43	Constitutive activation of GSK3 down-regulates glycogen synthase abundance and glycogen deposition in rat skeletal muscle cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 9509-18	5.4	51
42	Use of lithium and SB-415286 to explore the role of glycogen synthase kinase-3 in the regulation of glucose transport and glycogen synthase. <i>FEBS Journal</i> , 2003 , 270, 3829-38		49
41	Biguanides and thiazolidinediones inhibit stimulated lipolysis in human adipocytes through activation of AMP-activated protein kinase. <i>Diabetologia</i> , 2010 , 53, 768-78	10.3	48
40	Defect of insulin signal in peripheral tissues: Important role of ceramide. <i>World Journal of Diabetes</i> , 2014 , 5, 244-57	4.7	48
39	l-Leucine availability regulates phosphatidylinositol 3-kinase, p70 S6 kinase and glycogen synthase kinase-3 activity in L6 muscle cells: evidence for the involvement of the mammalian target of rapamycin (mTOR) pathway in the l-leucine-induced up-regulation of System A amino acid transport. <i>Biochemical Journal</i> , 2000 , 350, 361	3.8	44
38	Regulation of glucose transporters in cultured rat adipocytes: synergistic effect of insulin and dexamethasone on GLUT4 gene expression through promoter activation. <i>Endocrinology</i> , 1995 , 136, 4782-9	4.8	44
37	Sphingolipid Metabolism: New Insight into Ceramide-Induced Lipotoxicity in Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	41
36	Regulated association of caveolins to lipid droplets during differentiation of 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 331-5	3.4	41
35	Insulin and angiotensin II induce the translocation of scavenger receptor class B, type I from intracellular sites to the plasma membrane of adipocytes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 33536-40	5.4	41
34	Sustained Action of Ceramide on the Insulin Signaling Pathway in Muscle Cells: IMPLICATION OF THE DOUBLE-STRANDED RNA-ACTIVATED PROTEIN KINASE. <i>Journal of Biological Chemistry</i> , 2016 , 291, 3019-29	5.4	39

33	Filling up adipocytes with lipids. Lessons from caveolin-1 deficiency. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 514-8	5	38
32	Intracellular signalling mechanisms regulating glucose transport in insulin-sensitive tissues (review). <i>Molecular Membrane Biology</i> , 2001 , 18, 195-204	3.4	38
31	Characterising the inhibitory actions of ceramide upon insulin signaling in different skeletal muscle cell models: a mechanistic insight. <i>PLoS ONE</i> , 2014 , 9, e101865	3.7	36
30	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. <i>Biochemical Journal</i> , 2000 , 352, 617-622	3.8	36
29	Inhibition of central de novo ceramide synthesis restores insulin signaling in hypothalamus and enhances cell function of obese Zucker rats. <i>Molecular Metabolism</i> , 2018 , 8, 23-36	8.8	34
28	Fructose transport and metabolism in adipose tissue of Zucker rats: diminished GLUT5 activity during obesity and insulin resistance. <i>Molecular and Cellular Biochemistry</i> , 2004 , 261, 23-33	4.2	33
27	Biochemical and functional characterization of the GLUT5 fructose transporter in rat skeletal muscle. <i>Biochemical Journal</i> , 1998 , 336 (Pt 2), 361-6	3.8	33
26	Targeting sphingolipid metabolism in the treatment of obesity/type 2 diabetes. <i>Expert Opinion on Therapeutic Targets</i> , 2015 , 19, 1037-50	6.4	32
25	A new look at adipocyte lipid droplets: towards a role in the sensing of triacylglycerol stores?. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2452-8	10.3	27
24	Inositol phospholipid 3-kinase is activated by cellular stress but is not required for the stress-induced activation of glucose transport in L6 rat skeletal muscle cells. <i>FEBS Journal</i> , 1997 , 247, 306-13		26
23	Biochemical localisation of the 5-HT _{2A} (serotonin) receptor in rat skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 257, 369-72	3.4	25
22	Lactate transport in rat adipocytes: identification of monocarboxylate transporter 1 (MCT1) and its modulation during streptozotocin-induced diabetes. <i>FEBS Letters</i> , 2000 , 479, 89-92	3.8	24
21	Proteolytic cleavage of cellubrevin and vesicle-associated membrane protein (VAMP) by tetanus toxin does not impair insulin-stimulated glucose transport or GLUT4 translocation in rat adipocytes. <i>Biochemical Journal</i> , 1997 , 321 (Pt 1), 233-8	3.8	22
20	Short Term Palmitate Supply Impairs Intestinal Insulin Signaling via Ceramide Production. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16328-38	5.4	21
19	Enhanced insulin sensitivity associated with provision of mono and polyunsaturated fatty acids in skeletal muscle cells involves counter modulation of PP2A. <i>PLoS ONE</i> , 2014 , 9, e92255	3.7	20
18	Insulin-stimulated glucose uptake does not require p38 mitogen-activated protein kinase in adipose tissue or skeletal muscle. <i>Diabetes</i> , 2005 , 54, 3161-8	0.9	20
17	Expression of glucose transporters (GLUT 1 and GLUT 4) in primary cultured rat adipocytes: differential evolution with time and chronic insulin effect. <i>Journal of Cellular Biochemistry</i> , 1992 , 49, 251-8	4.7	19
16	A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B. <i>Biochemical Journal</i> , 2000 , 352, 617	3.8	17

15	DnaJA4 is a SREBP-regulated chaperone involved in the cholesterol biosynthesis pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006 , 1761, 1107-13	5	16
14	Effects of a fish oil-lard diet on rat plasma lipoproteins, liver FAS, and lipolytic enzymes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994 , 267, E975-82	6	15
13	Sphingosine-1-Phosphate Metabolism in the Regulation of Obesity/Type 2 Diabetes. <i>Cells</i> , 2020 , 9,	7.9	15
12	Ceramide Transporter CERT Is Involved in Muscle Insulin Signaling Defects Under Lipotoxic Conditions. <i>Diabetes</i> , 2018 , 67, 1258-1271	0.9	15
11	Insulin regulates the expression of the GLUT5 transporter in L6 skeletal muscle cells. <i>FEBS Letters</i> , 2003 , 549, 77-82	3.8	12
10	Fatty genotype-induced increase in GLUT4 promoter activity in transfected adipocytes: delineation of two fa-responsive regions and glucose effect. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 209, 1053-61	3.4	12
9	Sphingolipid Metabolism and Signaling in Skeletal Muscle: From Physiology to Physiopathology. <i>Frontiers in Endocrinology</i> , 2020 , 11, 491	5.7	10
8	Expression and modulation of TUB by insulin and thyroid hormone in primary rat and murine 3T3-L1 adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1328-33	3.4	9
7	Beneficial effects of a fish oil enriched high lard diet on obesity and hyperlipemia in Zucker rats. <i>Annals of the New York Academy of Sciences</i> , 1993 , 683, 349-50	6.5	8
6	Dihydroceramides in Triglyceride-Enriched VLDL Are Associated with Nonalcoholic Fatty Liver Disease Severity in Type 2 Diabetes. <i>Cell Reports Medicine</i> , 2020 , 1, 100154	18	8
5	Roles of Ceramides in Non-Alcoholic Fatty Liver Disease. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	7
4	Analyses of the co-localization of cellubrevin and the GLUT4 glucose transporter in rat and human insulin-responsive tissues. <i>FEBS Letters</i> , 1996 , 395, 211-6	3.8	4
3	The Reciprocal Relationship between LDL Metabolism and Type 2 Diabetes Mellitus.. <i>Metabolites</i> , 2021 , 11,	5.6	2
2	Type 2 diabetes: ceramides as a therapeutic target?. <i>Clinical Lipidology</i> , 2013 , 8, 607-609		0
1	Ceramide is a negative regulator of insulin action, nutrient uptake and protein synthesis in cultured rat skeletal muscle cells373-386		